

Listing of the Claims

1. (Previously Presented) A coated implant delivery system comprising:
an implant delivery device with a first end, a second end, and an inner lumen, the first end having a releasable implant retention region, the releasable implant retention region having an accessible surface, the accessible surface of the releasable implant retention region having an implant adhesion-resistant treatment;
a releasable implant having a proximal end, a distal end, and a length extending therebetween along a longitudinal axis, and an implant coating, the releasable implant releasably positioned in physical communication with the implant adhesion-resistant treatment on the accessible surface of said releasable implant retention region along the entire length of the implant, the implant coating facing the implant adhesion-resistant treatment on the releasable implant retention region,
wherein the implant adhesion-resistant treatment prevents the implant coating from being stripped from an implant surface.
2. (Canceled)
3. (Previously Presented) The coated implant delivery system of claim 1 wherein the implant delivery device is a balloon catheter.
4. (Canceled)
5. (Previously Presented) The coated implant delivery system of claim 1, wherein the implant adhesion-resistant treatment includes a therapeutic.
6. (Previously Presented) The coated implant delivery system of claim 1 wherein the implant adhesion-resistant treatment includes a non-adhesive silicone coating.
7. (Previously Presented) The coated implant delivery system of claim 1 wherein the implant adhesion-resistant treatment includes a non-adhesive hydrophilic coating.

8. (Previously Presented) The coated implant delivery system of claim 1 wherein the implant adhesion-resistant treatment includes a non-adhesive hydrogel coating.
9. (Previously Presented) The coated implant delivery system of claim 1 wherein the implant adhesion-resistant treatment includes a non-adhesive carbowax coating.
10. (Previously Presented) The coated implant delivery system of claim 1 wherein the implant adhesion-resistant treatment includes a non-adhesive PEO coating.
11. (Original) The coated implant delivery system of claim 1 wherein the releasable implant is a balloon-expanding stent.
12. (Withdrawn) The coated implant delivery system of claim 1 wherein the releasable implant is a self-expanding stent.
13. (Withdrawn) The coated implant delivery system of claim 1 wherein the releasable implant is a graft.
14. (Withdrawn) The coated implant delivery system of claim 1 wherein the releasable implant is an aneurysm coil.
- 15-23. (Canceled)
24. (Previously Presented) The coated implant delivery system of claim 1, further comprising two coaxial sleeves positioned in physical communication with the releasable implant retention region.
25. (Previously Presented) The coated implant delivery system of claim 1, wherein the implant adhesion-resistant treatment reduces shear and normal friction between the releasable implant and the implant delivery device.

26. (Previously Presented) The coated implant delivery system of claim 1, wherein the releasable implant retention region has the adhesion resistant treatment on an outer surface, and the releasable implant has the implant coating on an inner surface.
27. (Previously Presented) The coated implant delivery system of claim 1, wherein the releasable implant retention region has the adhesion resistant treatment on an inner surface, and the releasable implant has the implant coating on an outer surface.
28. (Previously Presented) The coated implant delivery system of claim 26, wherein an outer surface of the releasable implant includes a therapeutic.
29. (Previously Presented) The coated implant delivery system of claim 1, wherein an inner surface of the releasable implant includes a therapeutic.
30. (Previously Presented) The coated implant delivery system of claim 27, wherein the implant coating on the outer surface of the releasable implant includes a therapeutic.
31. (Previously Presented) The coated implant delivery system of claim 28, wherein the implant coating is on the inner surface and the outer surface of the implant.
32. (Previously Presented) The coated implant delivery system of claim 26, wherein the implant coating is on the inner surface and the outer surface of the implant.